

DECLARATION
AND POWER OF ATTORNEY
U.S.A.

FOR ATTORNEYS' USE ONLY
ATTORNEYS' DOCKET NO.

P67265US0

ALL PATENTS, INCLUDING DESIGN
FOR APPLICATION BASED ON PCT; PARIS CONVENTION;
NON PRIORITY; OR PROVISIONAL APPLICATIONS

As a below named inventor, I declare that my residence, post office address and citizenship are stated below next to my name, the information given herein is true, that I believe that I am the original first and sole inventor (if only one name is listed at 201 below), or an original, first and joint inventor (if plural inventors are named below at 201-203, or on additional sheets attached hereto) of the subject matter which is claimed and for which patent is sought on the invention entitled:

LIGHT EMITTING DIODE WITH IMPROVED EFFICIENCY

which is described and claimed in: ☒ PCT International Application No. PCT/GB00/01748 filed May 12, 2000
☐ the attached specification ☒ the specification in application Serial No. 09/926,494 filed November 13, 2001
(if applicable) and amended on _____

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above. I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, § 1.56. I hereby claim foreign priority benefits under Title 35, United States Code, § 119 (a)-(d) of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

Prior Foreign Application(s)	Priority Claimed
<u>9910901.9</u> (Number) <u>GREAT BRITAIN</u> (Country) <u>12 May 1999</u> (Day/Month/Year Filed)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
_____ (Number) _____ (Country) _____ (Day/Month/Year Filed)	<input type="checkbox"/> Yes <input type="checkbox"/> No
_____ (Number) _____ (Country) _____ (Day/Month/Year Filed)	<input type="checkbox"/> Yes <input type="checkbox"/> No

I hereby claim the benefit under Title 35, United States Code, § 119(e) of any United States provisional application(s) listed below:

Application No.	Filing Date	Application No.	Filing Date
_____ (Application Serial No.)	_____ (Filing Date)	_____ (Application Serial No.)	_____ (Filing Date)

I hereby claim the benefit under Title 35, United States Code, § 120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, § 112, I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, § 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application:

Application Serial No.	Filing Date	Status: patented, pending, abandoned
_____ (Application Serial No.)	_____ (Filing Date)	_____ (Status: patented, pending, abandoned)

POWER OF ATTORNEY: As a named inventor, I hereby appoint the following attorneys (Registration No.) to prosecute this application, receive and act on instructions from my agent, and transact all business in the Patent and Trademark Office connected therewith. HARVEY B. JACOBSON, JR. (20,851); JOHN CLARKE HOLMAN (22,769); MARVIN R. STERN (20,640); ALLEN S. MELSER (27,215); MICHAEL R. SLOBASKY (26,421); JONATHAN L. SCHERER (29,851); IRWIN M. AISENBERG (19,007); WILLIAM E. PLAYER (31,409); YOON S. HAM (45,307) and NATHANIEL A. HUMPHRIES (22,772).

SEND CORRESPONDENCE TO: CUSTOMER NO. 00136 or JACOBSON HOLMAN PROFESSIONAL LIMITED LIABILITY COMPANY 400 SEVENTH STREET, N.W. WASHINGTON, D.C. 20004	DIRECT TELEPHONE CALLS TO: (please use Attorney's Docket No.) (202) 638-6666 JACOBSON HOLMAN PROFESSIONAL LIMITED LIABILITY COMPANY
--	---

Inventor(s) name must include at least one unabbreviated first or middle name.

	FULL NAME * OF INVENTOR	FAMILY NAME	GIVEN NAME	MIDDLE NAME
201	RESIDENCE & CITIZENSHIP	CITY	STATE OR FOREIGN COUNTRY	COUNTRY OF CITIZENSHIP
	POST OFFICE ADDRESS	POST OFFICE ADDRESS	CITY	STATE OR COUNTRY
				ZIP CODE
202	RESIDENCE & CITIZENSHIP	CITY	STATE OR FOREIGN COUNTRY	COUNTRY OF CITIZENSHIP
	POST OFFICE ADDRESS	POST OFFICE ADDRESS	CITY	STATE OR COUNTRY
				ZIP CODE
203	RESIDENCE & CITIZENSHIP	CITY	STATE OR FOREIGN COUNTRY	COUNTRY OF CITIZENSHIP
	POST OFFICE ADDRESS	POST OFFICE ADDRESS	CITY	STATE OR COUNTRY
				ZIP CODE

I further declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment or both, under section 1001 of Title 18 of the United States Code; and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

SIGNATURE OF INVENTOR 201*	SIGNATURE OF INVENTOR 202*	SIGNATURE OF INVENTOR 203*
DATE	DATE	DATE

☒ Additional inventors are named on separately numbered sheets attached hereto.

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LIGHT EMITTING DIODE WITH IMPROVED EFFICIENCY

which is described and claimed in:

☐ the attached specification



PCT International Application No. **PCT/GB00/01748**



the specification in application Serial No. **09/926,494**

(if applicable) and amended on

filed **May 12, 2000**

filed **November 13, 2001**

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Prior Foreign Application(s)

9910901.9

(Number)

GREAT BRITAIN

(Country)

12 May 1999

(Day/Month/Year Filed)

Priority Claimed



Yes



No

(Number)

(Country)

(Day/Month/Year Filed)



Yes



No

(Number)

(Country)

(Day/Month/Year Filed)



Yes



No

I hereby claim the benefit under Title 35, United States Code, § 119(e) of any United States provisional application(s) listed below:

Application No.

Filing Date

Application No.

Filing Date

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SEND CORRESPONDENCE TO: **CUSTOMER NO. 00136**

or

JACOBSON HOLMAN
PROFESSIONAL LIMITED LIABILITY COMPANY
400 SEVENTH STREET, N.W.
WASHINGTON, D.C. 20004

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(please use Attorney's Docket No.) (202) 638-6666

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	RESIDENCE & CITIZENSHIP	CITY	STATE OR FOREIGN COUNTRY	COUNTRY OF CITIZENSHIP
	POST OFFICE ADDRESS	POST OFFICE ADDRESS	CITY	STATE OR COUNTRY
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Prior Foreign Application(s)

9910901.9 GREAT BRITAIN 12 May 1999
(Number) (Country) (Day/Month/Year Filed)

Priority Claimed

☒ Yes ☐ No

(Number) (Country) (Day/Month/Year Filed)

☐ Yes ☐ No

(Number) (Country) (Day/Month/Year Filed)

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Application No. _____ Filing Date _____ Application No. _____ Filing Date _____

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	RESIDENCE & CITIZENSHIP	CITY	STATE OR FOREIGN COUNTRY	COUNTRY OF CITIZENSHIP
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	RESIDENCE & CITIZENSHIP	CITY	STATE OR FOREIGN COUNTRY	COUNTRY OF CITIZENSHIP
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	RESIDENCE & CITIZENSHIP	CITY	STATE OR FOREIGN COUNTRY	COUNTRY OF CITIZENSHIP
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SIGNATURE OF INVENTOR 201*	SIGNATURE OF INVENTOR 202*	SIGNATURE OF INVENTOR 203*
X	X	X
DATE	DATE	DATE
		3 rd January 2002

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Prior Foreign Application(s)

9910901.9 **GREAT BRITAIN** **12 May 1999**
(Number) (Country) (Day/Month/Year Filed)

Priority Claimed

☒ Yes ☐ No

(Number) (Country) (Day/Month/Year Filed)

☐ Yes ☐ No

(Number) (Country) (Day/Month/Year Filed)

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JACOBSON HOLMAN
PROFESSIONAL LIMITED LIABILITY COMPANY

*Inventor(s) name must include at least one unabbreviated first or middle name.

201	FULL NAME * OF INVENTOR	FAMILY NAME SAMUEL	GIVEN NAME David	MIDDLE NAME William
	RESIDENCE & CITIZENSHIP	CITY Durham	STATE OR FOREIGN COUNTRY GREAT BRITAIN	COUNTRY OF CITIZENSHIP GREAT BRITAIN
	POST OFFICE ADDRESS	POST OFFICE ADDRESS University of Durham, Department of Physics, South Road	CITY Durham	STATE OR COUNTRY GREAT BRITAIN
			ZIP CODE DH1 3LE	
202	FULL NAME * OF INVENTOR	FAMILY NAME LUPTON	GIVEN NAME John	MIDDLE NAME Mark
	RESIDENCE & CITIZENSHIP	CITY Durham	STATE OR FOREIGN COUNTRY GREAT BRITAIN	COUNTRY OF CITIZENSHIP GREAT BRITAIN
	POST OFFICE ADDRESS	POST OFFICE ADDRESS University of Durham, Department of Physics, South Road	CITY Durham	STATE OR COUNTRY GREAT BRITAIN
			ZIP CODE DH1 3LE	
203	FULL NAME * OF INVENTOR	FAMILY NAME MATTERSON	GIVEN NAME Benjamin	MIDDLE NAME James
	RESIDENCE & CITIZENSHIP	CITY Durham	STATE OR FOREIGN COUNTRY GREAT BRITAIN	COUNTRY OF CITIZENSHIP GREAT BRITAIN
	POST OFFICE ADDRESS	POST OFFICE ADDRESS University of Durham, Department of Physics, South Road	CITY Durham	STATE OR COUNTRY GREAT BRITAIN
			ZIP CODE DH1 3LE	

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SIGNATURE OF INVENTOR 201*	SIGNATURE OF INVENTOR 202*	SIGNATURE OF INVENTOR 203*
DATE	DATE	DATE

☒ Additional inventors are named on separately numbered sheets attached hereto.

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**JACOBSON HOLMAN PLLC
ADDITIONAL INVENTORS**

* Inventor(s) name must include at least one unabbreviated first or middle name.

204	FULL NAME * OF INVENTOR	FAMILY NAME BARNES	GIVEN NAME William	MIDDLE NAME Leslie
	RESIDENCE & CITIZENSHIP	CITY Exeter <i>GRN</i>	STATE OR FOREIGN COUNTRY GREAT BRITAIN	COUNTRY OF CITIZENSHIP GREAT BRITAIN
	POST OFFICE ADDRESS	POST OFFICE ADDRESS <i>School of Physics, Univ. of Exeter, Physics Building, Stocker Road</i>	CITY Exeter, Devon	STATE OR COUNTRY GREAT BRITAIN ZIP CODE EX4 4 QL
205	FULL NAME * OF INVENTOR	FAMILY NAME SALT	GIVEN NAME Martin	MIDDLE NAME Guy
	RESIDENCE & CITIZENSHIP	CITY Exeter	STATE OR FOREIGN COUNTRY GREAT BRITAIN	COUNTRY OF CITIZENSHIP GREAT BRITAIN
	POST OFFICE ADDRESS	POST OFFICE ADDRESS <i>School of Physics Univ. of Exeter, Physics Building, Stocker Road</i>	CITY Exeter	STATE OR COUNTRY GREAT BRITAIN ZIP CODE EX4 4QL
206	FULL NAME * OF INVENTOR	FAMILY NAME	GIVEN NAME	MIDDLE NAME
	RESIDENCE & CITIZENSHIP	CITY	STATE OR FOREIGN COUNTRY	COUNTRY OF CITIZENSHIP
	POST OFFICE ADDRESS	POST OFFICE ADDRESS	CITY	STATE OR COUNTRY ZIP CODE
207	FULL NAME * OF INVENTOR	FAMILY NAME	GIVEN NAME	MIDDLE NAME
	RESIDENCE & CITIZENSHIP	CITY	STATE OR FOREIGN COUNTRY	COUNTRY OF CITIZENSHIP
	POST OFFICE ADDRESS	POST OFFICE ADDRESS	CITY	STATE OR COUNTRY ZIP CODE
208	FULL NAME * OF INVENTOR	FAMILY NAME	GIVEN NAME	MIDDLE NAME
	RESIDENCE & CITIZENSHIP	CITY	STATE OR FOREIGN COUNTRY	COUNTRY OF CITIZENSHIP
	POST OFFICE ADDRESS	POST OFFICE ADDRESS	CITY	STATE OR COUNTRY ZIP CODE
209	FULL NAME * OF INVENTOR	FAMILY NAME	GIVEN NAME	MIDDLE NAME
	RESIDENCE & CITIZENSHIP	CITY	STATE OR FOREIGN COUNTRY	COUNTRY OF CITIZENSHIP
	POST OFFICE ADDRESS	POST OFFICE ADDRESS	CITY	STATE OR COUNTRY ZIP CODE
210	FULL NAME * OF INVENTOR	FAMILY NAME	GIVEN NAME	MIDDLE NAME
	RESIDENCE & CITIZENSHIP	CITY	STATE OR FOREIGN COUNTRY	COUNTRY OF CITIZENSHIP
	POST OFFICE ADDRESS	POST OFFICE ADDRESS	CITY	STATE OR COUNTRY ZIP CODE
211	FULL NAME * OF INVENTOR	FAMILY NAME	GIVEN NAME	MIDDLE NAME
	RESIDENCE & CITIZENSHIP	CITY	STATE OR FOREIGN COUNTRY	COUNTRY OF CITIZENSHIP
	POST OFFICE ADDRESS	POST OFFICE ADDRESS	CITY	STATE OR COUNTRY ZIP CODE

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SIGNATURE OF INVENTOR 204 *	SIGNATURE OF INVENTOR 205 *	SIGNATURE OF INVENTOR 206 *
<i>William Barnes</i>	<i>X</i>	
DATE <i>13/12/2007</i>	DATE	DATE
SIGNATURE OF INVENTOR 207 *	SIGNATURE OF INVENTOR 208 *	SIGNATURE OF INVENTOR 209 *
DATE	DATE	DATE
SIGNATURE OF INVENTOR 210 *	SIGNATURE OF INVENTOR 211 *	
DATE	DATE	

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207 208 209 210 211

4-00

**JACOBSON HOLMAN PLLC
ADDITIONAL INVENTORS**

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204	FULL NAME * OF INVENTOR	FAMILY NAME BARNES	GIVEN NAME William	MIDDLE NAME Leslie
	RESIDENCE & CITIZENSHIP	CITY Exeter	STATE OR FOREIGN COUNTRY GREAT BRITAIN	COUNTRY OF CITIZENSHIP GREAT BRITAIN
	POST OFFICE ADDRESS	POST OFFICE ADDRESS School of Physics, Univ. of Exeter, Physics Building, Stocker Road	CITY Exeter, Devon	STATE OR COUNTRY GREAT BRITAIN
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			ZIP CODE EX4 4QL	
206	FULL NAME * OF INVENTOR	FAMILY NAME	GIVEN NAME	MIDDLE NAME
	RESIDENCE & CITIZENSHIP	CITY	STATE OR FOREIGN COUNTRY	COUNTRY OF CITIZENSHIP
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<i>X</i>	<i>X</i> <i>Leslie Salt</i>	
DATE	DATE <i>10-01-02</i>	DATE
SIGNATURE OF INVENTOR 207 *	SIGNATURE OF INVENTOR 208 *	SIGNATURE OF INVENTOR 209 *
DATE	DATE	DATE
SIGNATURE OF INVENTOR 210 *	SIGNATURE OF INVENTOR 211 *	
DATE	DATE	

□ Additional inventors are named on separately numbered sheets attached hereto.
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